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TITLE: Apparatus and method for performing arbitration and data transfer over multiple buses

DATE-ISSUED: April 8, 1997

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APPL-NO: 08/ 320927 [PALM]

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FIELD-OF-SEARCH: 395/842, 395/860, 395/287, 395/293, 395/729, 395/308, 395/861, 340/825.5

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
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<input type="checkbox"/>	<u>5535395</u>	July 1996	Tippley et al.	395/729

ART-UNIT: 235

PRIMARY-EXAMINER: Ray; Gopal C.

ATTY-AGENT-FIRM: Blakely, Sokoloff, Taylor & Zafman

ABSTRACT:

An apparatus and method for arbitrating bus ownership of a first communication bus ("C1-bus") for a plurality of C1-bus masters and arbitrating bus ownership of a second communication bus ("C2-bus") for a plurality of C2-bus masters. The apparatus further performs a DMA transfer, without processor assistance, between a first component coupled to the C1-bus and a second component coupled to the C2-bus.

27 Claims, 8 Drawing figures